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This distribution contains change pages for Patch GMRV*5.0*22 of the Vitals / Measurements Technical Manual and Package Security Guide.

These change pages for Vitals / Measurements Patch 22 should be inserted into the latest version of the Vitals / Measurements Technical Manual and Package Security Guide (revised April 2006 for Patch GMRV*5.0*3).

Patch GMRV*5.0*22 pages:

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VITALS / MEASUREMENTS

TECHNICAL MANUAL AND

PACKAGE SECURITY GUIDE

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for Patch GMRV*5.0*22

Department of Veterans Affairs
Health Systems Design & Development
Provider Systems

Revision History

Date	Revision	Description	Author
October 2002	5.0	Initial Release	REDACTED
April 2006	5.0*3	Updated for Patch GMRV*5.0*3: - Cover Page - Revision History - Implementation and Maintenance, p. 2-4 - Routine Descriptions, p. 3-1 through 3-8 - Exported Options, p. 5-1 through 5-34 - External Relations, p. 8-47 through 8-96 - Internal Relations, p. 9-1 - Software Product Security, p. 12-1	REDACTED
September 2008	5.0*22	Updated for Patch GMRV*5.0*22: - Routine Descriptions, p. 5-9 through 5-34	REDACTED

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patient.

This remote procedure call is documented in Integration Agreement 4358.

INPUT PARAMETER: GMRDFN	PARAMETER TYPE: LITERAL
MAXIMUM DATA LENGTH: 10	REQUIRED: YES
SEQUENCE NUMBER: 1	
DESCRIPTION:	
GMRDFN variable is a pointer to the Patient (#2) file (i.e., DFN).	
RETURN PARAMETER DESCRIPTION:	
Returns the name of the global array (i.e., ^TMP(\$J,"GRPC")) containing the latest vitals for the selected patient.	

The TMP global contains:

`^TMP($J,"GRPC",n)=piece1`

where piece1 = is a formatted line of text.

n = sequential number starting at 1.

The formatted line of text includes the vital type, value and unit (U.S.), value and unit (metric), qualifiers, supplemental oxygen, body mass index value, and person who entered the record.

If there is no data for the patient, the following is returned:

`^TMP($J,"GRPC",1)=There are no results to report`

Example:

```
> S GMRDFN=134
> D GETLAT^GMVGETD(.RESULT,GMRDFN) ZW RESULT
> RESULT="^TMP(539349605,"GRPC")"
> D ^%G
> Global ^TMP($J,"GRPC"
> ^TMP(539349605,"GRPC",1)=Temp.: (08/09/05@08:00) 102 F (38.9 C)*
  (ORAL) _VITPROVIDER,ONE
>           2)=Pulse: (07/14/05@16:33) 55
  (LEFT,CAROTID,PALPATED,LYING) _VITPROVIDER,ONE
>           3)=Resp.: (07/14/05@16:33) 31
  (SPONTANEOUS,SITTING) _VITPROVIDER,ONE
>           4)=Pulse Ox: (08/22/05@13:48) 99% with
  supplemental O2 1 L/min 90% NASAL CANNULA _VITPROVIDER,ONE
>           5)=B/P: (09/26/05@11:30) 120/80* (L
  ARM,SITTING,CAROTID,CALF) _VITPROVIDER,TWO
>           6)=Ht.: (09/14/05@17:18) 5 ft 6 in (167.64
  cm) (ACTUAL) _VITPROVIDER,ONE
>           7)=Wt.: (09/14/05@17:18) 135 lb (61.36 kg)
  (ACTUAL,STANDING) _VITPROVIDER,ONE
>           8)=Body Mass Index: 22
           9)=CVP: (08/22/05@17:09) 15 cmH2O (11.0
  mmHg) _VITPROVIDER,ONE
           10)=Circ/Girth: (07/22/05@10:22) 1 in (2.54 cm)
(DRY,ABDO MINAL) _VITPROVIDER,TWO
           11)=Pain: (09/15/05@16:43) 5 _VITPROVIDER,ONE
```

¹NAME: **GMV LOCATION SELECT**

ROUTINE: GMVRPCHL
AVAILABILITY: SUBSCRIPTION
WORD WRAP ON: TRUE

TAG: RPC
RETURN VALUE TYPE: GLOBAL ARRAY
INACTIVE: ACTIVE

¹DESCRIPTION:

¹ April 2006 Patch GMRV*5.0*3 Added new routine and description.

Exported Options

Select a hospital location by name, from a patient appointment or from a patient admission. Can also generate a list of active clinics.

This remote procedure is documented in Integration Agreement 4461.

SEQUENCE NUMBER: 1

DESCRIPTION:

Routine tag line in GMVRPCHL to call.

SEQUENCE NUMBER: 2

DESCRIPTION:

Other data a

RETURN PARAMETER DESCRIPTION:

This remote procedure call also

This remote procedure call allows the user to select a hospital location.

The entry point is RPC^GMVRPCHL. It has input parameters of RESULTS, OPTION and DATA (ex. RPC^GMVRPCHL(.RESULTS,OPTION,DATA) .

The RESULTS variable will contain the ^TMP("GMVHLOC", \$J) global array reference. The ^TMP("GMVHLOC", \$J) global array contains the results.

The OPTION variable identifies a line label in the GMVRPCHL routine that will be invoked to process the call.

The DATA variable contains any additional values needed by the OPTION variable to process the call.

- 1) When the OPTION value is NAME, this RPC will do a file lookup.

The DATA value is a three part value separated by carets (^). The first part is a file number. The second part is a value to look up. The third part is the field or fields to do the look up on. If the third piece is not defined, the lookup is done on the .01 field of the file.

The TMP global contains:

```
^TMP ("GMVHLOC", $J, 0)=piece1  
^TMP ("GMVHLOC", $J, n)=piece2^piece3
```

where piece1 = number of entries found
piece2 = file number, a semi-colon and record IEN
piece3 = field value

Example:

- 2) When the OPTION value is APPT, this RPC will return a list of clinic

¹ September 2008 Patch GMRV*5.0*22 Updated routine description.

appointments for the patient.

The DATA value is a four part value separated by carets (^). The first piece is DFN. The second piece is the start date of the search. If not defined, this value defaults to 365 days prior to today. The third piece is the end date of the search. If not defined, the value defaults to today. Both dates are in FileMan internal format. The fourth piece is a string of numbers to indicate what types of appointments to return. If not defined, the value defaults to "123456789" (i.e., all appointment types) where:

- 1 - Active/Kept
- 2 - Inpatient appts. only
- 3 - No-shows
- 4 - No-shows, auto-rebook
- 5 - Cancelled by clinic
- 6 - Cancelled by clinic, auto rebook
- 7 - Cancelled by patient
- 8 - Cancelled by patient, auto rebook
- 9 - No action taken

The TMP global contains:

```
^TMP("GMVHLOC",$J,0)=piece1
^TMP("GMVHLOC",$J,n)=piece2^piece3^piece4^piece5^piece6^piece7
                           ^piece8^piece9^
```

where piece1 = number of entries found
 piece2 = date/time of appt (FM internal)
 piece3 = date/time of appt (external)
 piece4 = hospital location IEN (FILE 44)
 piece5 = hospital location name (FILE 44, Field .01)
 piece6 = appt status (internal)
 piece7 = appt status (external)
 piece8 = appt type (internal)
 piece9 = appt type (external)

Example:

```
> S OPTION="APPT",DATA="78^3051201^3051206^"
> D RPC^GMVRPCHL(.RESULT,OPTION,DATA) ZW RESULT
> RESULT="^TMP("GMVHLOC",539052767)"
> D ^%G
> Global ^TMP("GMVHLOC",$J
> ^TMP("GMVHLOC",539052767,0)=1
           1)=3051206.1^DEC 6,2005@10:00^88^WEIGHT
                           CLINIC^^^9^REGULAR
```

3) When the OPTION value is ADMIT, this RPC will return a list of hospital admissions for the patient specified.

The DATA value is the patient's DFN.

The TMP global contains:

```
^TMP("GMVHLOC",$J,0)=piece1
^TMP("GMVHLOC",$J,n)=piece2^piece3^piece4^piece5^piece6
```

where piece1 = number of entries found
 piece2 = date/time of admission (external)
 piece3 = hospital location IEN (FILE 44)
 piece4 = hospital location name (FILE 44, Field .01)
 piece5 = type of movement (FILE 405.1, Field .01)

Exported Options

```
piece6 = movement IEN (FILE 405)
```

Example:

```
> S OPTION="ADMIT",DATA=134
> D RPC^GMVRPCHL(.RESULT,OPTION,DATA) ZW RESULT
> RESULT="^TMP ("GMVHLOC",539052767)"
> D ^%G
> Global ^TMP ("GMVHLOC",$J
> ^TMP ("GMVHLOC",539052767,0)=1
1)=Apr 09, 2001 1:48:43 pm^67^
2-ASM^DIRECT^1712
```

- 4) When the OPTION value is CLINIC, this RPC will return a list of active clinics.

The DATA value is FROM^MAXIMUM^DIRECTION.

Where:

FROM = Value to begin the search (optional). Default is null (i.e., start with the first entry in the B x-ref).
MAXIMUM = Maximum number of entries to return. (optional)
Default is 100.
DIRECTION = Direction of search (optional). 1 means forward and -1 means backwards. Default is 1.

The TMP global contains:

```
^TMP ("GMVHLOC",$J,0)=piece1
^TMP ("GMVHLOC",$J,n)=piece2^piece3
```

where piece1 = number of entries found
piece2 = 44;ien (44, a semi-colon and the entry number)
piece3 = location name (FILE 44, Field .01)
n is a sequential number starting with zero

Example:

```
> S OPTION="CLINIC",DATA="A^5^1"
> K RESULTS D RPC^GMVRPCHL(.RESULTS,OPTION,DATA) ZW RESULTS
> RESULTS="^TMP ("GMVHLOC",540221719)"
> D ^%G
> Global ^TMP ("GMVHLOC",$J
> ^TMP ("GMVHLOC",540221719,0)=5
1)=44;140^ANDY'S AUDIO NON-COUNT CLINIC
2)=44;139^ANDY'S AUDIOLOGY COUNT CLINIC
3)=44;76^AUDIOLOGY AND SPEECH PATHOLOGY
4)=44;87^BARB'S CLINIC
5)=44;217^BOISE OUTPATIENT
```

If an error is encountered for NAME, ADMIT, APPT or CLINIC, a "-1" followed by a caret and the error message text (i.e., -1^error message) is returned in RESULT(0).

NAME: **GMV MANAGER**

TAG: RPC

ROUTINE: GMVRPCM

RETURN VALUE TYPE: GLOBAL ARRAY

AVAILABILITY: SUBSCRIPTION

INACTIVE: ACTIVE

WORD WRAP ON: TRUE

¹DESCRIPTION:

Performs many functions for the Manager module.

¹ April 2006 Patch GMRV*5.0*3 Updated the routine description.

This remote procedure call is documented in Integration Agreement 4360.

INPUT PARAMETER: OPTION	PARAMETER TYPE: LITERAL
MAXIMUM DATA LENGTH: 10	REQUIRED: YES
SEQUENCE NUMBER: 1	
DESCRIPTION:	
Routine tag line in GMVRPCM to call.	
INPUT PARAMETER: DATA	PARAMETER TYPE: LITERAL
MAXIMUM DATA LENGTH: 100	REQUIRED: YES
SEQUENCE NUMBER: 2	
DESCRIPTION:	
Other data as required for the call.	
RETURN PARAMETER DESCRIPTION:	
This remote procedure call performs various actions such as building selection lists and modifying package parameters. The entry point is RPC^GMVRPCM. It has input parameters of RESULTS, OPTION and DATA (ex: RPC^GMVRPCM(.RESULTS,OPTION,DATA)).	

The RESULTS variable will contain the ^TMP("GMVMGR",\$J) global array reference. The ^TMP("GMVMGR",\$J) global array contains the results.

The OPTION variable identifies a line label in the GMVRPCM routine that will be invoked to process the call.

The DATA variable contains any additional values needed by the OPTION variable to process the call.

1) When the OPTION value is ADDQUAL, this RPC will link a GMRV VITAL QUALIFIER (#120.52) file entry to a GMRV VITAL TYPE (#120.51) file entry.

The DATA value is a three part value separated by semi-colons(;). The first value is the FILE 120.51 internal entry number (IEN). The second value is the GMRV VITAL CATEGORY (#120.53) IEN. The third value is the GMRV VITAL QUALIFIER (#120.52).

Example:

```
> S DATA="1;1;1"
> S OPTION="ADDQUAL"
> D RPC^GMVRPCM(.RESULT,OPTION,DATA) ZW RESULT
> RESULT="^TMP ("GMVMGR",539356158)"
> D ^%G
> Global ^TMP ("GMVMGR",$J
> ^TMP ("GMVMGR",539356158,0)=1^Qualifier Assigned
```

If an error is encountered, a "-1" followed by a caret and the error message text (i.e., -1^error message) is returned.

2) When the OPTION value is DELQUAL, this RPC will unlink a qualifier to a GMRV VITAL TYPE (#120.51) file entry.

The DATA value is a three part value separated by semi-colons. The first value is the FILE 120.51 internal entry number (IEN). The second value is the GMRV VITAL CATEGORY (#120.53) IEN. The third value is the GMRV VITAL QUALIFIER (#120.52) IEN.

Example:

```
> S DATA="1;1;1"
```

Exported Options

```
> S OPTION="DELQUAL"
> D RPC^GMVRPCM(.RESULT,OPTION,DATA) ZW RESULT
> RESULT="^TMP ("GMVMGR",539356158)"
> D ^%G
> Global ^TMP ("GMVMGR",$J
> ^TMP ("GMVMGR",539356158,0)=1^Qualifier removed.
```

If an error is encountered, a "-1" followed by a caret and the error message text (i.e., -1^error message) is returned.

- 3) When the OPTION value is DELTEMP, this RPC will delete a data input template definition.

The DATA value is a two part value separated by a caret (^). The first value is the ENTITY value. See IA #2263 for a list of entity values. The second value is the name of the data input template.

Example:

```
> S DATA="USR^PAIN ONLY"
> S OPTION="DELTEMP"
> D RPC^GMVRPCM(.RESULT,OPTION,DATA) ZW RESULT
> RESULT="^TMP ("GMVMGR",539356158)"
> D ^%G
> Global ^TMP ("GMVMGR",$J
> ^TMP ("GMVMGR",539356158,0)=1^Template Removed.
```

If an error is encountered, a "-1" followed by a caret and the error message text (i.e., -1^error message) is returned.

- 4) When the OPTION value is GETCATS, this RPC will return a list of qualifiers (FILE 120.52) associated with a vital type (FILE 120.51).

The DATA value is a one part value. It is a pointer value to FILE 120.51

The TMP global contains:

```
^TMP ("GMVMGR",$J,0)=piece1^piece2
^TMP ("GMVMGR",$J,n)=piece3^piece4^piece5
```

where piece1 = number of categories (FILE 120.53) associated with this vital type
piece2 = vital type name
piece3 = category IEN (FILE 120.53)
piece4 = category name (FILE 120.53, Field .01)
piece5 = qualifier names (FILE 120.52, Field .01) separated by a comma and space
n = sequential number starting with 1

Example:

```
> S DATA="21"
> S OPTION="GETCATS"
> D RPC^GMVRPCM(.RESULT,OPTION,DATA) ZW RESULT
> RESULT="^TMP ("GMVMGR",539356158)"
> D ^%G
> Global ^TMP ("GMVMGR",$J
> ^TMP ("GMVMGR",539356158,0)=1^PULSE OXIMETRY
1)=2^METHOD^AEROSOL/HUMIDIFIED MASK, CPAP, FACE
TENT, L ARM, MASK, NASAL CANNULA, NON RE-BREATHER, PARTIAL RE-BREATHER,
ROOM AIR, T-PIECE, TRACHEOSTOMY COLLAR, VENTILATOR, VENTURI MASK
```

If an error is encountered, a "-1" followed by a caret and the error message text (i.e., -1^error message) is returned.

5) When the OPTION value is GETDATA, this RPC will return the value of the entry you specify.

The DATA value is a three part value. The first part is the file number. The second part is the IEN number of the entry. The third part is the field number.

The TMP global contains:

```
^TMP("GMVMGR",$J,0)=external value of the field
```

Example:

```
> S DATA="120.51^1^1"
> D RPC(.RESULT,"GETDATA",DATA) ZW RESULT
> RESULT="^TMP("GMVMGR",539339804)"
> D ^%G
> Global ^TMP("GMVMGR",$J
> ^TMP("GMVMGR",539339804,0)=BP
```

If a value cannot be found, then a null value is returned.

6) When the OPTION value is GETDEF, this RPC will return default template names.

The DATA value is a one part value. If it is null, then all default templates for that user will be returned.

The TMP global contains:

```
^TMP("GMVMGR",$J,0)=piece1
^TMP("GMVMGR",$J,n)=piece2^piece3
```

where piece1 = number of templates found

piece2 = an IEN value, a semi-colon, and a global reference

piece3 = template name

n = sequential number starting with 1

Example A:

```
> S DATA=""
> S OPTION="GETDEF"
> D RPC^GMVRPCM(.RESULT,OPTION,DATA) ZW RESULT
> RESULT="^TMP("GMVMGR",539356158)"
> D ^%G
> Global ^TMP("GMVMGR",$J
> ^TMP("GMVMGR",539356158,0)=4
    1)=125;SC(^WARD 10A
    2)=334;DIC(4.2,^TEST
    3)=4601;VA(200,^Height ONLY
    4)=547;VA(200,^All Vital Signs
```

If the DATA value is an entity value (see IA 2263 for a list of entity values), then the default template name for that entity will be returned.

The TMP global contains:

```
^TMP("GMVMGR",$J,0)=template name
```

Exported Options

Example B:

```
> S DATA="USR"
> S OPTION="GETDEF"
> D RPC^GMVRPCM(.RESULT,OPTION,DATA) ZW RESULT
> RESULT="^TMP ("GMVMGR",539356158)"
> D ^%G
> Global ^TMP ("GMVMGR",$J
> ^TMP ("GMVMGR",539356158,0)=MY DEFAULT
```

If an error is encountered, a "-1" followed by a caret and the error message text (i.e., -1^error message) is returned.

7) When the OPTION value is GETHILO, this RPC will return the abnormal high or low value for a vital type.

The DATA value is a one part value which identifies a field number in the GMRV VITALS PARAMETERS (#120.57) field.

The TMP global contains:

```
^TMP ("GMVMGR",$J,0)=field value
```

Example:

```
> S DATA=5.2
> S OPTION="GETHILO"
> D RPC^GMVRPCM(.RESULT,OPTION,DATA) ZW RESULT
> RESULT="^TMP ("GMVMGR",539356158)"
> D ^%G
> Global ^TMP ("GMVMGR",$J
> ^TMP ("GMVMGR",539356158,0)=94
```

A zero is returned if there is no value in the field.

8) When the OPTION value is GETLIST, this RPC returns a list of entries for the file number specified.

The DATA value is a one part value. It is a file number.

The TMP global contains:

```
^TMP ("GMVMGR",$J,0)=piece1^piece2
^TMP ("GMVMGR",$J,n)=piece3^piece4
```

where piece1 = number of entries returned
piece2 = file name [not returned in all cases]
piece3 = file number, a semi-colon and record IEN
piece4 = the .01 value of the record
n = sequential number starting with 1

Examples:

Retrieve a list of wards.

```
> S DATA=42
> S OPTION="GETLIST"
> D RPC^GMVRPCM(.RESULT,OPTION,DATA) ZW RESULT
> RESULT="^TMP ("GMVMGR",539363784)"
> D ^%G
> Global ^TMP ("GMVMGR",$J
> ^TMP ("GMVMGR",539363784,0)=26^WARD LOCATION
    1)=42;14^10A
    n)=42;15^10B
```

26)=42;39^10Z

Retrieve a list of clinics.

```
> S DATA=44
> S OPTION="GETLIST"
> D RPC^GMVRPCM(.RESULT,OPTION,DATA) ZW RESULT
> RESULT="^TMP ("GMVMGR",539363784)"
> D ^%G
> Global ^TMP ("GMVMGR",$J
> ^TMP ("GMVMGR",539363784,0)=61
    1)=44;6^HOUSE/A
    n)=44;8^HOUSE/C
    61)=44;39^HOUSE/ZZ
```

Retrieve a list vital types.

```
> S DATA=120.51
> S OPTION="GETLIST"
> D RPC^GMVRPCM(.RESULT,OPTION,DATA) ZW RESULT
> RESULT="^TMP ("GMVMGR",539363784)"
> D ^%G
> Global ^TMP ("GMVMGR",$J
> ^TMP ("GMVMGR",539363784,0)=10^GMRV VITAL TYPE
    1)=120.51;1^BLOOD PRESSURE
    N)=120.51;19^CENTRAL VENOUS PRESSURE
    10)=120.51;9^WEIGHT
```

Retrieve a list of qualifiers.

```
> S DATA=120.52
> S OPTION="GETLIST"
> D RPC^GMVRPCM(.RESULT,OPTION,DATA) ZW RESULT
> RESULT="^TMP ("GMVMGR",539363784)"
> D ^%G
> Global ^TMP ("GMVMGR",$J
> ^TMP ("GMVMGR",539363784,0)=80^GMRV VITAL QUALIFIER
    1)=120.52;74^ABDOMINAL
    n)=120.52;42^ACTUAL
    80)=120.52;99^WRIST
```

Retrieve a list of CPRS teams.

```
> S DATA=100.21
> S OPTION="GETLIST"
> D RPC^GMVRPCM(.RESULT,OPTION,DATA) ZW RESULT
> RESULT="^TMP ("GMVMGR",539363784)"
> D ^%G
> Global ^TMP ("GMVMGR",$J
> ^TMP ("GMVMGR",539363784,0)=103
    1)=100.21;28^1AS
    n)=100.21;60^1ASO
    103)=100.21;96^consult team
```

Retrieve a list of nursing units.

```
> S DATA=211.4
> S OPTION="GETLIST"
> D RPC^GMVRPCM(.RESULT,OPTION,DATA) ZW RESULT
> RESULT="^TMP ("GMVMGR",539363784)"
> D ^%G
> Global ^TMP ("GMVMGR",$J
> ^TMP ("GMVMGR",539363784,0)=21
    1)=211.4;7^10E
    n)=211.4;17^10W
```

Exported Options

21)=211.4;9^SICU

If an error is encountered, a "-1" followed by a caret and the error message text (i.e., -1^error message) is returned.

9) When the OPTION value is GETQUAL, this RPC returns a list of qualifiers associated with this vital type.

The DATA value is a two part value separated by a semi-colon. The first part is vital type (FILE 120.51) IEN. The second part is a category (FILE 120.53) IEN.

The TMP global contains:

`^TMP("GMVMGR",$J,0)=piece1^piece2
^TMP("GMVMGR",$J,n)=piece3^piece4`

where piece1 = number of entries found
piece2 = category name (FILE 120.53, Field .01)
piece3 = qualifier IEN
piece4 = qualifier name (FILE 120.52, Field .01)
n = sequential number starting with 1

Example:

```
> S DATA="1;1",OPTION="GETQUAL"  
> D RPC^GMVRPCM(.RESULT,OPTION,DATA) ZW RESULT  
> RESULT="^TMP("GMVMGR",539356158)"  
> D ^%G  
> Global ^TMP("GMVMGR",$J  
> ^TMP("GMVMGR",539356158,0)=6^LOCATION  
    1)=139^Test Qualifier  
    2)=53^FEMORAL  
    3)=2^L ARM  
    4)=4^L LEG  
    5)=24^PERIPHERAL  
    6)=1^R ARM
```

If an error is encountered, a "-1" followed by a caret and the error message text (i.e., -1^error message) is returned.

10) When the OPTION value is GETTEMP, this RPC will return a list data input templates definitions.

The DATA value is a two part value separated by a caret. The first part is an entity value. See IA 2263 for a list of entities. The second part is a data input template name.

When DATA is null, all data input template definitions are returned.

The TMP global contains:

`^TMP("GMVMGR",$J,0)=piece1
^TMP("GMVMGR",$J,n)=piece2^piece3^piece4^piece5^piece6`

where piece1 = number of entries returned
piece2 = 1, 2, 3, or 4. (1 = Domain, 2 = Institution, 3 = Hospital location and 4 = New Person)
piece3 = file IEN, a semi-colon and global reference
piece4 = Field .01 value of the file specified in piece3
piece5 = template name

piece6 = template description text, a bar, vital type IEN (FILE 120.51), a colon, a metric flag (0=U.S. and 1=metric), category IEN (FILE 120.53), a coma, and a qualifier IEN (FILE 120.52), a tilde indicates additional category and qualifier combinations for the vital type. A semi-colon indicates the start of the next vital type.

n = sequential number starting with 1

Example:

```
> S DATA="USR",OPTION="GETTEMP"
> D RPC^GMVRPCM(.RESULT,OPTION,DATA) ZW RESULT
> RESULT="^TMP ("GMVMGR",539356158)"
> D ^%G
> Global ^TMP ("GMVMGR",$J
> ^TMP ("GMVMGR",539356158,0)=1
1)=4^547;VA(200,^VITUSER,ONE^MY DEFAULT^ALL
VITALS|1:0:1,2~2,59~3,50;20:1|
```

If an error is encountered, a "-1" followed by a caret and the error message text (i.e., -1^error message) is returned.

11) When the OPTION value is LOOKUP, this RPC will do a file lookup

The DATA value is a three part value separated by a caret. The first part is a file number. The second part is a value to look up. The third part is the field or fields to do the look up on. If the third piece is not defined, the lookup is done on the .01 field of the file.

The TMP global contains:

```
^TMP ("GMVMGR",$J,0)=piece1
^TMP ("GMVMGR",$J,n)=piece2^piece3
```

where piece1 = number of entries found
 piece2 = file number, a semi-colon and record IEN
 piece3 = field value

Example:

```
> S DATA="44^OUTPAT^.01",OPTION="LOOKUP"
> D RPC^GMVRPCM(.RESULT,OPTION,DATA) ZW RESULT
> RESULT="^TMP ("GMVMGR",539359648)"
> D ^%G
> Global ^TMP ("GMVMGR",$J
> ^TMP ("GMVMGR",539359648,0)=3
1)=44;75^OUTPATIENT NUC MED
2)=44;74^OUTPATIENT RADIOLOGY
3)=44;80^OUTPATIENT ULTRASOUND
```

If an error is encountered, a "-1" followed by a caret and the error message text (i.e., -1^error message) is returned.

12) When the OPTION value is NEWQUAL, this RPC will always return an error message instructing the user to use the New Term Rapid Turnaround process.

The DATA value is always null.

Example:

```
> S DATA=""
```

Exported Options

```
> S OPTION="NEWQUAL"
> D RPC^GMVRPCM(.RESULT,OPTION,DATA) ZW RESULT
> RESULT="^TMP("GMVMGR",539356158)"
> D ^%G
> Global ^TMP("GMVMGR",$J
> ^TMP("GMVMGR",539356158,0)=-1^Use the New Term Rapid Turnaround (NTRT)
process to add qualifiers
```

13) When the OPTION value is NEWTEMP, this RPC will file a new data input template.

The DATA value is a three part value separated by a caret. The first part is an entity. See IA 2263 for a list of entities. The second part is the name of the data input template. The third part is the description text. If the third part is null, the template description will default to "No Description".

The TMP global contains:

```
^TMP("GMVMGR",$J,0)=piece1^piece2^piece3^piece4
```

where piece1 = 1, 2, 3, or 4 (1 = DOMAIN (#4.2), 2 = INSTITUTION (#4),
3 = HOSPITAL LOCATION, and 4 = NEW PERSON)
piece2 = IEN, a semi-colon, and global reference (e.g., 3;DIC(4.2))
piece3 = the .01 field value for the record in piece2
piece4 = data input name

Example:

```
> S DATA="USR^1 EAST^All Vital Types"
> S OPTION="NEWTEMP"
> D RPC^GMVRPCM(.RESULT,OPTION,DATA) ZW RESULT
> RESULT="^TMP("GMVMGR",539343036)"
> D ^%G
> Global ^TMP("GMVMGR",$J
> ^TMP("GMVMGR",539343036,0)=4^547;VA(200,^VITUSER,ONE^1 EAST
```

If an error is encountered, a "-1" followed by a caret and the error message text (i.e., -1^error message) is returned.

14) When the OPTION value is RENTEMP, this RPC will rename a data input template.

The DATA value is a three part value separated by a caret. The first part is an entity. See IA 2263 for a list of entities. The second part is the current template name. The third part is the new name of the template.

The TMP global contains:

```
^TMP("GMVMGR",$J,0)=1^Renamed
```

Example:

```
> S DATA="USR^FRANK'S DEFAULT^MY DEFAULT"
> S OPTION="RENTEMP"
> D RPC^GMVRPCM(.RESULT,OPTION,DATA) ZW RESULT
> RESULT="^TMP("GMVMGR",539356158)"
> D ^%G
> Global ^TMP("GMVMGR",$J
> ^TMP("GMVMGR",539356158,0)=1^Renamed
```

If an error is encountered, a "-1" followed by a caret and the error

message text (i.e., -1^error message) is returned.

15) When the OPTION value is SETDATA, this RPC always returns an error message that instructs the user to use the New Term Rapid Turnaround process.

The DATA value is null.

Example:

```
> S DATA=""
> S OPTION="SETDATA"
> D RPC^GMVRPCM(.RESULT,OPTION,DATA) ZW RESULT
> RESULT="^TMP ("GMVMGR",539356158)"
> D ^%G
> Global ^TMP ("GMVMGR",$J
> ^TMP ("GMVMGR",539356158,0)=-1^Use the New Term Rapid Turnaround (NTRT)
process to add qualifiers
```

16) When the OPTION value is SETDEF, this RPC will set that data input template as a default.

The DATA value is a two part value separated by a caret. The first part is an entity. See IA 2263 for a list of entities. The second part is the name of the template that will become the default template.

The TMP global contains:

```
^TMP ("GMVMGR",$J,0)=1^Set As Default
```

Example:

```
> S DATA="USR^FRANK'S LIST"
> S OPTION="SETDEF"
> D RPC^GMVRPCM(.RESULT,OPTION,DATA) ZW RESULT
> RESULT="^TMP ("GMVMGR",539356158)"
> D ^%G
> Global ^TMP ("GMVMGR",$J
> ^TMP ("GMVMGR",539356158,0)=1^Set As Default.
```

If an error is encountered, a "-1" followed by a caret and the error message text (i.e., -1^error message) is returned.

17) When the OPTION value is SETHILO, this RPC will set the high and low abnormal values for a vital type.

The DATA value is a two part value separated by a caret. The first part is a field number in the GMRV VITALS PARAMETERS (#120.57) file. The second part is the value that field should be set to.

The TMP global contains:

```
^TMP ("GMVMGR",$J,0)=1^Update Complete.
```

Example:

```
> S DATA="5.1^102",OPTION="SETHILO"
> D RPC^GMVRPCM(.RESULT,OPTION,DATA) ZW RESULT
> RESULT="^TMP ("GMVMGR",539356158)"
> D ^%G
> Global ^TMP ("GMVMGR",$J
> ^TMP ("GMVMGR",539356158,0)=1^Update Complete.
```

Exported Options

If an error is encountered, a "-1" followed by a caret and the error message text (i.e., -1^error message) is returned.

18) When the OPTION value is SETTEMP, this RPC will save the input template definition.

DATA is a three part value separated by a caret. The first part is an entity. See IA 2263 for a list of entities. The second part is the template name. The third part is the template definition.

The TMP global contains:

^TMP("GMVMGR",\$J,0)=1^Template Saved.

Example:

```
> S DATA="USR^ONE VITAL TYPE ONLY^CONTAINS ONLY ONE VITAL TYPE|2:0:1,102|
> S OPTION="SETTEMP"
> D RPC^GMVRPCM(.RESULT,OPTION,DATA) ZW RESULT
> RESULT="^TMP("GMVMGR",539356158)"
> D ^%G
> Global ^TMP("GMVMGR",$J
> ^TMP("GMVMGR",539356158,0)=1^Template Saved.
```

If an error is encountered, a "-1" followed by a caret and the error message text (i.e., -1^error message) is returned.

19) When the OPTION value is VALID, this RPC will validate data.

DATA is a four part value separated by a caret. The first part is the a file number. The second part is a record number. The third part is a field number. The fourth part is the value to validate.

The TMP global contains:

^TMP("GMVMGR",\$J,0)=1^Valid Data

Example:

```
> S DATA="120.5^8864^.01^3051012.1034",OPTION="VALID"
> D RPC^GMVRPCM(.RESULT,OPTION,DATA) ZW RESULT
> RESULT="^TMP("GMVMGR",539343036)"
> D ^%G
> Global ^TMP("GMVMGR",$J
> ^TMP("GMVMGR",539343036,0)=1^Valid Data
```

If an error is encountered, a "-1" followed by a caret and the error message text (i.e., -1^error message) is returned.

NAME: **GMV MARK ERROR**

ROUTINE: GMVUTL1

AVAILABILITY: SUBSCRIPTION

¹DESCRIPTION:

This remote procedure call marks a selected vitals record in the GMRV Vital Measurement (#120.5) file as entered-in-error.

TAG: ERROR

RETURN VALUE TYPE: SINGLE VALUE

INACTIVE: ACTIVE

This remote procedure call is documented in Integration Agreement 4414.

¹ April 2006 Patch GMRV*5.0*3 Updated the routine description.

INPUT PARAMETER: GMVDATA
 MAXIMUM DATA LENGTH: 60
 SEQUENCE NUMBER: 1

DESCRIPTION:

GMVDATA contains the following information:

piece1^piece2^piece3

where piece1 = FILE 120.5 IEN
 piece2 = FILE 200 IEN (i.e., DUZ)
 piece3 = A single value to indicate the reason for the error.
 1 = INCORRECT DATE/TIME, 2 = INCORRECT READING, 3 =
 INCORRECT PATIENT and 4 = INVALID RECORD

RETURN PARAMETER DESCRIPTION:

If the record is marked as entered in error, RESULT is set to "OK".
 Otherwise, RESULT is set to "Record Not Found"

Example:

```
> S GMVDATA="1560^547^1"
> D ERROR^GMVUTL1(.RESULT,GMVDATA) ZW RESULT
> RESULT="OK"
```

NAME: GMV NUR UNIT PT

ROUTINE: GMVUTL8
 AVAILABILITY: RESTRICTED

¹DESCRIPTION:

Returns a list of active patients for a nursing location.

INPUT PARAMETER: LOC
 MAXIMUM DATA LENGTH: 60
 SEQUENCE NUMBER: 1

DESCRIPTION:

NURS LOCATION file (#211.4) ien.

RETURN PARAMETER DESCRIPTION:

ARRAY - Subscripted by sequential number with DFN in first piece and patient name in second piece.

example: ARRAY(#)=DFN^patient name^SSN^DOB^SEX AND AGE^ATTENDING^VETERAN
 ^INTERNAL DATE/TIME DECEASED^EXTERNAL DATE/TIME DECEASED

NAME: GMV PARAMETER

ROUTINE: GMVPAR
 AVAILABILITY: SUBSCRIPTION
 WORD WRAP ON: TRUE

²DESCRIPTION:

Sets and retrieves parameter values used by the graphical user interface.

This remote procedure call is documented in Integration Agreement 4367.

INPUT PARAMETER: OPTION
 MAXIMUM DATA LENGTH: 10
 SEQUENCE NUMBER: 1

DESCRIPTION:

Routine tag line to call.

INPUT PARAMETER: ENT
 SEQUENCE NUMBER: 2

DESCRIPTION:**TAG: APLIST**

RETURN VALUE TYPE: ARRAY
 INACTIVE: ACTIVE

PARAMETER TYPE: LITERAL
 REQUIRED: YES

TAG: RPC

RETURN VALUE TYPE: GLOBAL ARRAY
 INACTIVE: ACTIVE

PARAMETER TYPE: LITERAL

¹ April 2006 Patch GMRV*5.0*3 Updated the routine description.

² April 2006 Patch GMRV*5.0*3 Updated the routine description.

Exported Options

The entry point is RPC^GMVPAR.. It has input parameters of RESULTS, OPTION, ENT, PAR, INST and VAL (ex:
RPC^GMVPAR(RESULTS,OPTION,ENT,PAR,INST,VAL) .

The RESULTS variable contains the results of the call or the location where the results can be found.

The OPTION variable identifies the entry point in the GMVPAR routine that will be invoked to process the call.

If an error occurs, the ^TMP global contains:
^TMP(\$J,0)=-1^error message text

1) When the OPTION value is DELPAR, this RPC deletes the value for the instance, parameter and entity specified.

The TMP global contains:

[^]TMP(\$J,0)=1[^]Instance deleted

Example:

```
> S OPTION="DELPAR",ENT="SYS",PAR="GMV DLL VERSION"
> S INST="GMV_VITALSVIEWENTER.DLL:v. 07/21/05 10:34"
> D RPC^GMVPAR(.RESULT,OPTION,ENT,PAR,INST) ZW RESULT
> RESULT="^TMP(538999278)"
> D ^%G
> Global ^TMP($J
> ^TMP(538999278,0)=1^Instance deleted
```

2) When the OPTION value is ENTPVAL, this RPC returns the external value of the entity specified.

The TMP global contains:
 TMP(\$J,0)=external value

Example:

```
> S OPTION="ENTVAL", ENT="USR"  
> D RPC(.RESULT,OPTION,ENT) ZW RESULT  
> RESULT="^TMP(538993252)"  
> D ^%G  
> Global ^TMP($J
```

```
> ^TMP(538993252,0)=TRAXLER,FRANK
```

- 3) When the OPTION value is GETLST, this RPC returns a list of instances and their values for the parameter and entity specified.

The TMP global contains:

```
^TMP($J,0)=piece1
^TMP($J,n)=piece2^piece3
```

where piece1 = number of entries returned
 piece2 = instance name
 piece3 = instance value
 n = sequential number starting with 1

Example:

```
> S OPTION="GETLST",ENT="USR",PAR="GMV USER DEFAULTS"
> D RPC(.RESULT,OPTION,ENT,PAR) ZW RESULT
> RESULT="^TMP(538993252)"
> D ^%G
> Global ^TMP($J
> ^TMP(538993252,0)=44
  1)=DefaultTemplate^547;VA(200,|MY DEFAULT|
  n)=UNIT_INDEX^0
  44)=WARD_INDEX^-1
```

- 4) When the OPTION value is GETPAR, this RPC will get the value for the instance, parameter and entity specified.

The TMP global contains:

```
^TMP($J,0)=piece1
```

where piece1 = value

Example:

```
> S ENT="USR",PAR="GMV USER DEFAULTS",INST="DefaultTemplate"
> S OPTION="GETPAR"
> D RPC(.RESULT,OPTION,ENT,PAR,INST) ZW RESULT
> RESULT="^TMP(538993252)"
> D ^%G
> Global ^TMP($J
> ^TMP(538993252,0)=547;VA(200,|MY DEFAULT|
```

- 5) When the OPTION value is SETPAR, this RPC set the value of an instance for the instance, parameter and entity specified.

The TMP global contains:

```
^TMP($J,0)=1^Parameter updated
```

Example:

```
> S OPTION="SETPAR",ENT="USR",PAR="GMV USER DEFAULTS",INST="SearchDelay"
> S VAL=1.5
> D RPC^GMVPAR(.RESULT,OPTION,ENT,PAR,INST,VAL) ZW RESULT
> RESULT="^TMP(538999278)"
> D ^%G
> Global ^TMP($J
> ^TMP(538999278,0)=1^Parameter updated
```

Exported Options

NAME: GMV PT GRAPH TAG: EN1
ROUTINE: GMVSR0 RETURN VALUE TYPE: SINGLE VALUE
AVAILABILITY: RESTRICTED INACTIVE: ACTIVE
DESCRIPTION:
Prints Vitals/Measurements Graphic Reports.
INPUT PARAMETER: GMVDATA PARAMETER TYPE: LITERAL
MAXIMUM DATA LENGTH: 150 REQUIRED: YES
SEQUENCE NUMBER: 1
DESCRIPTION:
A multi-piece variable that identifies the values needed to run the report.

Piece 1: DFN
2: Start date/time of the report range (FileMan format)
3: End date/time of the report range (FileMan format)
4: Number indicating graph type *
5: Device name (File 3.5, Field .01)
6: Device internal entry number
7: date/time to print the report (FileMan format)
8: ward internal entry number (File 42)
9: hospital location internal entry number (File 44)
10: list of rooms separated by a comma (e.g., 200,210,220)

* Graph = 1 prints Vital Signs Record
= 2 prints B/P Plotting Chart
= 3 prints Weight Chart
= 4 prints Pulse Oximetry/Respiratory Graph
= 5 prints Pain Chart
RETURN PARAMETER DESCRIPTION:
Returns a message stating the outcome of the request to queue the report. If the report was successfully queued, RESULT will be "Report sent to device. Task #: " ZTSK" where ZTSK is the task number of the job. If the report could not be queued, RESULT will be "Unable to task the report."

NAME: GMV PTSELECT TAG: RPC
ROUTINE: GMVRPCP RETURN VALUE TYPE: GLOBAL ARRAY
AVAILABILITY: RESTRICTED INACTIVE: ACTIVE
WORD WRAP ON: TRUE
DESCRIPTION:
Used as a method of processing a patient DFN and returning all warnings and notices (i.e. sensitivity or same last 4 of SSN) to the client application for processing. Also includes a call to log access of sensitive patients to the DG SECURITY LOG file.
INPUT PARAMETER: RESULT PARAMETER TYPE: REFERENCE
MAXIMUM DATA LENGTH: 30 REQUIRED: YES
SEQUENCE NUMBER: 1
DESCRIPTION:
This is the RPC return array variable.
INPUT PARAMETER: OPTION PARAMETER TYPE: LITERAL
MAXIMUM DATA LENGTH: 30 REQUIRED: YES
SEQUENCE NUMBER: 2
DESCRIPTION:
Contains the appropriate method to perform within this RPC call.

Options are:
SELECT: Performs a select of the supplied DFN (param 3) and returns the notices and warnings for the DFN

LOGSEC: Logs a security entry in the DG SECURITY LOG file.

INPUT PARAMETER: DFN
 MAXIMUM DATA LENGTH: 12
 SEQUENCE NUMBER: 3
 DESCRIPTION:
 Contains the DFN of the patient to process in the SELECT or LOGSEC method of param 2.

INPUT PARAMETER: DATA
 MAXIMUM DATA LENGTH: 80
 SEQUENCE NUMBER: 4
 DESCRIPTION:
 Used to pass in the option name to DGSEC when logging against the DG SECURITY LOG file.

RETURN PARAMETER DESCRIPTION:
 RESULTS(0) =Success or failure flag (-1 or 1) from both SELECT & LOGSEC methods
 RESULTS(1..n)=Messages to process by the client from the SELECT method.

NAME: **GMV QUALIFIER TABLE**
 ROUTINE: GMVCAQU
 AVAILABILITY: RESTRICTED
 WORD WRAP ON: TRUE
 DESCRIPTION:
 Prints a list of categories and qualifiers associated with individual vital types (e.g., blood pressure). Data comes from the GMRV Vital Qualifier (#120.52) file and the GMRV Vital Category (#120.53) file.

INPUT PARAMETER: GMVDATA
 MAXIMUM DATA LENGTH: 150
 SEQUENCE NUMBER: 1
 DESCRIPTION:
 A multi-piece variable that identifies the values needed to run the report.

Piece 1: n/a
 2: n/a
 3: n/a
 4: n/a
 5: Device name (File 3.5, Field .01)
 6: Device internal entry number
 7: date/time to print the report (FileMan format)
 8: n/a
 9: n/a
 10: n/a

RETURN PARAMETER DESCRIPTION:
 Returns a message stating the outcome of the request to queue the report. If the report was successfully queued, RESULT will be "Report sent to device. Task #: " ZTSK" where ZTSK is the task number of the job. If the report could not be queued, RESULT will be "Unable to task the report."

NAME: **GMV ROOM/BED**
 ROUTINE: GMVGETD
 AVAILABILITY: RESTRICTED
 WORD WRAP ON: TRUE
 DESCRIPTION:
 This procedure extracts room/bed information from Room-Bed file (#405.4) for a given MAS ward.

INPUT PARAMETER: GMRWARD
 MAXIMUM DATA LENGTH: 30
 SEQUENCE NUMBER: 1
 DESCRIPTION:
 GMRWARD is a MAS ward name from the Ward Location file (#42).

Exported Options

RETURN PARAMETER DESCRIPTION:
Returns the global array name (i.e., ^TMP(\$J,"GROOM")) containing a list of rooms/beds for the given MAS ward.

^TMP(\$J,"GROOM",n)=Roombed

n is a sequential number starting at 1.

If there is no data, then the global array is undefined.

NAME: GMV TEAM PATIENTS

ROUTINE: GMVUTL3
AVAILABILITY: RESTRICTED
WORD WRAP ON: TRUE

DESCRIPTION:

This procedure retrieves patients assigned to a given team.

INPUT PARAMETER: GMVTEAM

MAXIMUM DATA LENGTH: 30
SEQUENCE NUMBER: 1

TAG: TEAMPT

RETURN VALUE TYPE: ARRAY
INACTIVE: ACTIVE

PARAMETER TYPE: LITERAL
REQUIRED: YES

DESCRIPTION:

GMVTEAM is the internal entry number of the selected team (File 100.21).

RETURN PARAMETER DESCRIPTION:

Returns a list of patients in the array specified.

RESULT(n)=Patient name^DFN^SSN (w/hyphens)^DOB (external)^SEX and AGE^
Attending^Veteran^Date of Death (external)^Date of Death
(internal)^Ward name^Roombed

n is a sequential number starting at 1.

NAME: GMV USER

ROUTINE: GMVRPCU
AVAILABILITY: SUBSCRIPTION
WORD WRAP ON: TRUE

¹DESCRIPTION:

Retrieves data about the user (e.g., parameter settings).

TAG: RPC

RETURN VALUE TYPE: GLOBAL ARRAY
INACTIVE: ACTIVE

DESCRIPTION:

This remote procedure call is documented in Integration Agreement 4366.
Routine tag line to call in GMVRPCU.

INPUT PARAMETER: OPTION

MAXIMUM DATA LENGTH: 10
SEQUENCE NUMBER: 1

PARAMETER TYPE: LITERAL
REQUIRED: YES

DESCRIPTION:

Other data as required for the call.

RETURN PARAMETER DESCRIPTION:

This Remote Procedure Call (RPC) performs various actions focusing on the user. The entry point is RPC^GMVRPCU. It has input parameters of RESULTS, OPTION and DATA (e.g., RPC^GMVRPCU(RESULTS,OPTION,DATA)).

The RESULTS variable contains the results of the call or the location where the results can be found.

The OPTION variable identifies another entry point in the GMVRPCU routine

¹ April 2006 Patch GMRV*5.0*3 Updated the routine description.

that is invoked to process the call.

The DATA variable contains any values needed by the OPTION variable to process the call.

1) When the OPTION value is SETPAR, this RPC will set and/or delete the value of a GMV USER DEFAULTS setting (e.g., the user's default template).

The DATA value is a two part value separated by a caret. The first part is name of a setting. The second part is the value of the setting. If the second part is null, the existing value of the setting is deleted.

The TMP global contains:

```
^TMP("GMVUSER", $J, 0)=1^Parameter set.  
or  
^TMP("GMVUSER", $J, 0)=1^Parameter cleared
```

Example:

```
> S DATA="DefaultTemplate^547;VA(200, |MY DEFAULT",OPTION="SETPAR" |  
> D RPC^GMVRPCU(.RESULT,OPTION,DATA) ZW RESULT  
> RESULT="^TMP("GMVUSER", 539374023)"  
> D ^%G  
> Global ^TMP("GMVUSER", $J  
> ^TMP("GMVUSER", 539374023, 0)=1^Parameter set.
```

If an error is encountered, a "-1" followed by a caret and the error message text (i.e., -1[^]error message) is returned.

2) When the OPTION value is GETPAR, this RPC will return the value of the GMV USER DEFAULTS setting specified in the DATA value.

The DATA value is a one part value. It is the name of a setting (e.g., the user's default template).

The TMP global contains:

```
^TMP("GMVUSER", $J, 0)=value of setting or null
```

Example:

```
> S DATA="DefaultTemplate",OPTION="GETPAR"  
> D RPC^GMVRPCU(.RESULT,OPTION,DATA) ZW RESULT  
> RESULT="^TMP("GMVUSER", 539374023)"  
> D ^%G  
> Global ^TMP("GMVUSER", $J  
> ^TMP("GMVUSER", 539374023, 0)=547;VA(200, |ONE VITAL TYPE ONLY|
```

3) When the OPTION value is SIGNON, this RPC will return information about the user who is currently signed onto the system.

The DATA value is not used. The user's IEN (i.e., DUZ) to the NEW PERSON (#200) file value must be defined when this call is made.

The RESULT variable will return the following array:

```
RESULT(0)=NEW PERSON (#200) file internal entry number (DUZ)  
RESULT(1)=User's name (FILE 200, Field .01)  
RESULT(2)=Domain (FILE 4.2) internal entry number  
RESULT(3)=Domain name (FILE 4.2, Field .01)  
RESULT(4)=Institution (FILE 4) internal entry number the user is signed
```

Exported Options

into (i.e., DUX(2))
RESULT(5)=Institution name (FILE 4, Field .01)
RESULT(6)="0" or "1". "1" indicates the user has the GMV MANAGER or
programmer key. "0" indicates the user has neither key.
RESULT(7)=The user's title (FILE 200, Field 8)
RESULT(8)=This value is always null.
RESULT(9)=Number of seconds the system will wait for a response from
the user (i.e., DTIME). The default time is 300 seconds.
RESULT(10)=INSTITUTION (#4) file IEN^FILE 4 external value^station
number (e.g., 499^SUPPORT ISC^499).

Example:

```
> S OPTION="SIGNON"
> D RPC(.RESULT,OPTION) ZW RESULT
> RESULT="^TMP("GMVUSER",539375907)"
> D ^%G
> Global ^TMP("GMVUSER",$J
> ^TMP("GMVUSER",539375907,0)=547
1)=VITUSER,ONE
2)=334
3)=DEV.DEV.FO-HINES.MED.VA.GOV
4)=499
5)=SUPPORT ISC
6)=1
7)=PROGRAMMER
8)=
9)=9999
10)=499^SUPPORT ISC^499
```

NAME: GMV V/M ALLDATA

ROUTINE: GMVGR1
AVAILABILITY: SUBSCRIPTION
WORD WRAP ON: TRUE

1 DESCRIPTION:

This remote procedure call lists all vitals/measurements data for a given date/time span.

This remote procedure call is documented in Integration Agreement 4654.

INPUT PARAMETER: GMV рАМЕТР: LITERA
MAXIMUM DATA LENGTH: 60
SEQUENCE NUMBER: 1
PARAMETER TYPE: LITERA
REQUIRED: YES

DESCRIPTION:

GMVDATA consists of 4 pieces of data:

`piece1^piece2^piece3^piece4`

where piece1 = File 2 IEN (i.e., DFN)
piece2 = Start date/time for search (FileMan internal format)
piece3 = End date/time for search (FileMan internal format)
piece4 = 0 (zero)

RETURN PARAMETER DESCRIPTION:

RESULT array returns the data or a "NO DATA" message.

Case A: The NO DATA message is returned.

The TMP global returns:

¹ April 2006 Patch GMRV*5.0*3 Updated the routine description.

```

^TMP($J,1)=lastname,first social security number date of birth age
    "(Yrs)" gender
^TMP($J,2)="Unit:" unit "Room:" room
^TMP($J,3)="Division:" division
^TMP($J,4)= search date range
^TMP($J,5)="NO DATA"

```

Example:

```

> S GMVDATA="90^3051012^3051012^0"
> D VMDATA^GMVGGR1(.RESULT,GMVDATA) ZW RESULT
> RESULT="^TMP(539349605)"
> D ^%G
> Global ^TMP($J
> ^TMP(539349605,1)=VITPATIENT,ONE 000-11-1234 JAN 2,1934 71 (Yrs)
    MALE
    2)=Unit: Room:
    3)=Division:
    4)=OCT 11,2005 - OCT 11,2005
    5)=NO DATA

```

Casee B: Fourth piece of GMVDATA (Flag) is 0

The TMP global returns:

```

^TMP($J,1)=lastname,first social security number date of birth age
    "(Yrs)" sex
^TMP($J,2)="Unit:" unit "Room:" room
^TMP($J,3)="Division:" division
^TMP($J,4)= search date range
^TMP($J,n)=piece1 through piece23

```

where piece1 = date of reading in mm-dd-yy format
 piece2 = time of reading in hh:mm:ss format
 piece3 = Temperature value and qualifier abbreviations
 piece4 = Pulse value and qualifier abbreviations
 piece5 = Respiration and qualifier abbreviations
 piece6 = Pulse Oximetry value, qualifier abbreviations, flow rate
 and percentage value
 piece7 = Blood Pressure value and qualifier abbreviations
 piece8 = Weight value (pounds) and qualifier abbreviations
 piece9 = Weight value (kilos)
 piece10 = Body Mass Index calculation
 piece11 = Height value (inches) and qualifier abbreviations
 piece12 = Height value (centimeters)
 piece13 = Circumference Girth value (inches) and qualifier
 abbreviations
 piece14 = Circumference Girth value (centimeters)
 piece15 = Central Venous Pressure value (cmH2O)
 piece16 = Central Venous Pressure value (mmHg)
 piece17 = Input value (from Intake & Output package)
 piece18 = Output value (from Intake & Output package)
 piece19 = Pain value
 piece20 = always null
 piece21 = always null
 piece22 = hospital location (FILE 44, Field .01)
 piece23 = name of person who entered the data (FILE 200, Field .01)

Example:

```

> S GMVDATA="134^3050901^3050930^0"
> D VMDATA^GMVGGR1(.RESULT,GMVDATA) ZW RESULT

```

Exported Options

```
> RESULT="^TMP(539349605)"
> D ^%G
> Global ^TMP($J
> ^TMP(539349605,1)=VITPATIENT,TWO 000-11-1234 JUN 1,1957 48 (Yrs)
          FEMALE
        2)=Unit: 2-ASM Room:
        3)=Division: TEST HINES
        4)=SEP 1,2005 - SEP 30,2005
        5)=09-14-05^17:18:00^^^^^^135- A St^61.36^22^66-
          A^167.64^^^^^^ ^^2-ASM^VITPROVIDER,ONE
        6)=09-26-05^11:30:57^^^^^120/80*- La Si Car
          Clf^^^^^^^^^^^^^2-A SM^VITPROVIDER,TWO
```

NAME: GMV VITALS/CAT/QUAL

TAG: GETVITAL

ROUTINE: GMVUTL7

RETURN VALUE TYPE: ARRAY

AVAILABILITY: SUBSCRIPTION

INACTIVE: ACTIVE

WORD WRAP ON: TRUE

1 DESCRIPTION:

Returns all qualifier information for the vital types selected.

This remote procedure call is documented in Integration Agreement 4359.

MAXIMUM DATA LENGTH: 60

REQUIRED: YES

SEQUENCE NUMBER: 1

DESCRIPTION:

A list of vital type abbreviations (FILE 120.51, Field 1) separated by up-arrows (e.g., "HT^WT" for height and weight). When the value is null, all qualifier information will be returned for all vital types.

RETURN PARAMETER DESCRIPTION:

Returns the qualifier information for the selected vital types in the array specified. Includes the abnormal high and low values for the vital type, if any.

The result array contains:

RESULT(n)=piece1^piece2^piece3^piece4^piece5^piece6^piece7^piece8^piece9
RESULT(n.nnn)=pieceA^pieceB^pieceC^pieceD

where n is a sequential number starting with 1
piece1 = V for vital type
piece2 = FILE 120.51 IEN for this vital type
piece3 = vital type name (FILE 120.51, Field .01)
piece4 = Abbreviation (FILE 120.51, Field 1)
piece5 = PCE Abbreviation (FILE 120.51, Field 7)
piece6 = If vital type is Blood Pressure this is the
abnormal systolic high value (File 120.57, Field 5.7).
If vital type is Temperature, this is the abnormal high
value (File 120.57, Field 5.1)
If vital type is Respiration, this is the abnormal high
value (File 120.57, Field 5.5)
If vital type is Pulse, this is the abnormal high value
(File 120.57, Field 5.3)
If vital type is Central Venous Pressure, this is the
abnormal high value (File 120.57, Field 6.1)
piece7 = If vital type is Blood Pressure this is the
abnormal diastolic high value (File 120.57, Field 5.71).
If vital type is Temperature, this is the abnormal low
value (File 120.57, Field 5.2)

¹ April 2006 Patch GMRV*5.0*3 Updated the routine description.

```

If vital type is Respiration, this is the abnormal low
value (File 120.57, Field 5.6)
If vital type is Pulse, this is the abnormal low value
(File 120.57, Field 5.4)
If vital type is Central Venous Pressure, this is the
abnormal low value (File 120.57, Field 6.2)
piece8 = If vital type is Blood Pressure this is the
abnormal systolic low value (File 120.57, Field 5.8).
If vital type is Central Pressure, this is the abnormal
O2 saturation (File 120.57, Field 6.3)
piece9 = If vital type is Blood Pressure this is the
abnormal diastolic low value (File 120.57, Field 5.81).

RESULT(n.nnn)=pieceA^pieceB^pieceC^pieceD
where pieceA = C for CATEGORY or Q for QUALIFIER

if pieceA is C, then
    pieceB = FILE 120.53 IEN for this category
    pieceC = category name (FILE 120.53, Field .01)
    pieceD = null

if pieceB is Q, then
    pieceB = FILE 120.52 IEN for this qualifier
    pieceC = qualifier name (FILE 120.52, Field .01)
    pieceD = synonym (FILE 120.52, Field .02)

```

Example:

```

> S GMVLIST="HT^WT"
> D GETVITAL^GMVUTL7 (.RESULT,GMVLIST) ZW RESULT
> RESULT(1)="V^8^HEIGHT^HT^HT^"
> RESULT(1.001)="C^4^QUALITY"
> RESULT(1.002)="Q^42^ACTUAL^A"
> RESULT(1.003)="Q^43^ESTIMATED^E"
> RESULT(1.004)="Q^107^Stated^St"
> RESULT(2)="V^9^WEIGHT^WT^WT^"
> RESULT(2.001)="C^2^METHOD"
> RESULT(2.002)="Q^39^OTHER^Oth"
> RESULT(2.003)="Q^50^SITTING^Si"
> RESULT(2.004)="Q^51^STANDING^St"
> RESULT(2.005)="C^4^QUALITY"
> RESULT(2.006)="Q^42^ACTUAL^A"

```

NAME: GMV WARD LOCATION

ROUTINE: GMVGETD
 AVAILABILITY: RESTRICTED
 WORD WRAP ON: TRUE

TAG: WARDLOC
 RETURN VALUE TYPE: GLOBAL ARRAY
 INACTIVE: ACTIVE

¹DESCRIPTION:

This procedure extracts MAS ward locations from the Ward Location file (#42).

INPUT PARAMETER: DUMMY
 MAXIMUM DATA LENGTH: 1
 SEQUENCE NUMBER: 1

PARAMETER TYPE: LITERAL
 REQUIRED: NO

DESCRIPTION:

When this input parameter is set to the letter "P", only wards that have patients will be returned. Otherwise, all active wards will be returned.

RETURN PARAMETER DESCRIPTION:

Returns the global array name containing a list of MAS wards (i.e.,

¹ September 2008 Patch GMRV*5.0*22 Updated description.

Exported Options

```
^TMP ($J, "GWARD") .  
  
^TMP ($J, "GWARD", n)=piece1^piece2^piece3  
where:  
  piece1 = ward IEN (FILE 42)  
  piece2 = ward name (FILE 42, Field .01)  
  piece3 = hospital location IEN (FILE 44)  
  n is a sequential number starting at 1.
```

Example:

```
> S DUMMY="P"  
> D WARDLOC^GMVGETD(.RESULT,DUMMY) ZW RESULT  
> RESULT="^TMP(540221719,"GWARD")"  
> D ^%G  
> Global ^TMP($J,"GWARD"  
> ^TMP(540221719,"GWARD",1)=2^1AS^2  
    2)=1^2-AS^1  
    3)=13^2-ASM^67  
    4)=25^214-2 DOM^149  
    5)=3^3AS^128  
    6)=4^4AS-1^4  
    7)=22^4B^153  
    8)=23^4C^155  
    9)=24^4D^154  
   10)=12^5NM^63  
   11)=6^6AS^10  
   12)=7^7AS^11  
   13)=8^DOM^23  
   14)=10^MICU^36  
   15)=5^NHCU^5
```

NAME: **GMV WARD PT**
ROUTINE: GMVGETD
AVAILABILITY: RESTRICTED
WORD WRAP ON: TRUE

TAG: WARDPT
RETURN VALUE TYPE: GLOBAL ARRAY
INACTIVE: ACTIVE

DESCRIPTION:
This procedure lists patients registered on a particular MAS ward.

INPUT PARAMETER: GMRWARD
MAXIMUM DATA LENGTH: 30
SEQUENCE NUMBER: 1

PARAMETER TYPE: LITERAL
REQUIRED: YES

DESCRIPTION:

GMRWARD contains the name of ward from Ward Location file (#42).

RETURN PARAMETER DESCRIPTION:

Returns the name of the global array containing the list of patients on the selected ward (i.e., ^TMP(\$J,"GMRPT")).

```
^TMP($J,"GMRPT",n)=DFN^Name^SSN (w/hyphens)^DOB^Sex and Age^Attending^  
          Veteran^Date of Death (internal)^Date of Death  
          (external)^Ward name^Roombed
```

n is a sequential number starting at 1.

If there are no patients on the ward, then the global array is undefined.

NAME: **GMV WARD/ROOM PATIENTS**
ROUTINE: GMVUTL7
AVAILABILITY: RESTRICTED

TAG: ROOMPT
RETURN VALUE TYPE: ARRAY
INACTIVE: ACTIVE

¹DESCRIPTION:
Returns a list of patients in the ward and rooms specified.
 INPUT PARAMETER: GMVWRD
MAXIMUM DATA LENGTH: 60
SEQUENCE NUMBER: 1
 DESCRIPTION:
Name of the ward (e.g., 2EAST).
 INPUT PARAMETER: GMVRLST
MAXIMUM DATA LENGTH: 150
SEQUENCE NUMBER: 2
 DESCRIPTION:
The room numbers of the ward separated by comma (e.g., 200,210,220).
 RETURN PARAMETER DESCRIPTION:
 RESULT(n)=patient name^DFN^DOB (external)^SSN (no hyphens)
 where n is a sequential number beginning with 0 (zero)

Menu Option by Name

²NAME: GMV V/M GUI
 MENU TEXT: Vitals/Measurements GUI Application
 TYPE: Broker (Client/Server)
 PACKAGE: GEN. MED. REC. - VITALS
 DESCRIPTION: This option controls access to the GUI Vitals/Measurements application.
 TIMESTAMP OF PRIMARY MENU: 60058,25451
 RPC: GMV MANAGER
 RPC: GMV ADD VM
 RPC: GMV ALLERGY
 RPC: GMV CLINIC PT
 RPC: GMV CONVERT DATE
 RPC: GMV CUMULATIVE REPORT
 RPC: GMV ENTERED IN ERROR-PATIENT
 RPC: GMV EXTRACT REC
 RPC: GMV GET CURRENT TIME
 RPC: GMV LATEST VITALS BY LOCATION
 RPC: GMV LATEST VITALS FOR PATIENT
 RPC: GMV LATEST VM
 RPC: GMV MARK ERROR
 RPC: GMV PT GRAPH
 RPC: GMV PTSELECT
 RPC: GMV QUALIFIER TABLE
 RPC: GMV ROOM/BED
 RPC: GMV TEAM PATIENTS
 RPC: GMV V/M ALldata
 RPC: GMV VITALS/CAT/QUAL
 RPC: GMV WARD LOCATION
 RPC: GMV WARD PT
 RPC: GMV WARD/ROOM PATIENTS
 RPC: GMV USER
 RPC: GMV NUR UNIT PT
 RPC: GMV CHECK DEVICE
 RPC: GMV PARAMETER
 RPC: ORWPPT PTINQ
 RPC: GMV GET CATEGORY IEN
 RPC: GMV GET VITAL TYPE IEN

¹ April 2006 Patch GMRV*5.0*3 Updated the routine description.

² April 2006 Patch GMRV*5.0*3 Added six RPCs to the end of this list.

Exported Options

RPC: VAFCTFU CONVERT DFN TO ICN
RPC: VAFCTFU CONVERT ICN TO DFN
RPC: GMV DLL VERSION
RPC: GMV LOCATION SELECT
UPPERCASE MENU TEXT: VITALS/MEASUREMENTS GUI APPLIC